**APPLICATION NOTES**

1. Material/ Finishes:
   - Barrel, Coupling Nut - See Table II
   - (Composite Coupling Nut - No Plating Required).
   - Insulators- High Grade Rigid Dielectric/ N.A
   - Seals- Fluorosilicone/ N.A.
2. Assembly to be identified with Glenair’s name, part number and date code space permitting.
3. Insert arrangement in accordance with MIL-STD-1560.
4. Insert arrangement shown is for reference only.
5. Blue Color Band indicates rear release retention system.
6. Metric Dimensions (mm) are indicated in parentheses.
7. Consult factory for available insert arrangements.

**233-105-G6**
MIL-DTL-38999 Series III Type
Environmental Plug Connector

Basic Part Number
233-105 - D38999 Series III Type Power Connector

Shell Size
09 = A
11 = B
13 = C
15 = D
17 = E
19 = F
21 = G
23 = H
25 = J

Insert Arrangement
(See Pages D-2, 3 & 4)

Alternate Key Position
A, B, C, D, or E (N for Normal)

Finish Material
(See Table II)

Shell Size
09 = A
11 = B
13 = C
15 = D
17 = E
19 = F
21 = G
23 = H
25 = J

Insert Arrangement
(See Pages D-2, 3 & 4)

Contact Type
(See Page D-8)

Shell Style
G6 - Plug

Master Key
See Notes 3 and 4

Blue Color Band
See Note 5

See Note 2

EE Thread

Knurl Manufacturer's Option

1.220 (31.0) Max

Ø CC Max

Ø DD Max

Consult factory for available insert arrangements.
### TABLE III: SHELL SIZE

<table>
<thead>
<tr>
<th>Shell Size Code</th>
<th>Shell Size</th>
<th>CC Max Dia</th>
<th>DD Max Dia</th>
<th>EE Thread</th>
</tr>
</thead>
<tbody>
<tr>
<td>A 09</td>
<td>.811 (20.6)</td>
<td>.858 (21.8)</td>
<td>M12 x 1.0-6g 0.100R</td>
<td></td>
</tr>
<tr>
<td>B 11</td>
<td>.929 (23.6)</td>
<td>.984 (25.0)</td>
<td>M15 x 1.0-6g 0.100R</td>
<td></td>
</tr>
<tr>
<td>C 13</td>
<td>1.110 (28.2)</td>
<td>1.157 (29.4)</td>
<td>M18 x 1.0-6g 0.100R</td>
<td></td>
</tr>
<tr>
<td>D 15</td>
<td>1.232 (31.3)</td>
<td>1.280 (32.5)</td>
<td>M22 x 1.0-6g 0.100R</td>
<td></td>
</tr>
<tr>
<td>E 17</td>
<td>1.358 (34.5)</td>
<td>1.406 (35.7)</td>
<td>M25 x 1.0-6g 0.100R</td>
<td></td>
</tr>
<tr>
<td>F 19</td>
<td>1.469 (37.3)</td>
<td>1.516 (38.5)</td>
<td>M28 x 1.0-6g 0.100R</td>
<td></td>
</tr>
<tr>
<td>G 21</td>
<td>1.594 (40.5)</td>
<td>1.642 (41.7)</td>
<td>M31 x 1.0-6g 0.100R</td>
<td></td>
</tr>
<tr>
<td>H 23</td>
<td>1.720 (43.7)</td>
<td>1.768 (44.9)</td>
<td>M34 x 1.0-6g 0.100R</td>
<td></td>
</tr>
<tr>
<td>J 25</td>
<td>1.843 (46.8)</td>
<td>1.890 (48.0)</td>
<td>M37 x 1.0-6g 0.100R</td>
<td></td>
</tr>
</tbody>
</table>

*Consult Factory for Additional Plating Options*